In the Claims:

This listing of claims will replace all prior versions and listings, of claims in the application:

Please cancel claims 1 – 46.

Please add the following new claims 79-82:

Listing of Claims:

1-46. (CANCELED)

47. (ORIGINAL) A process for the surface modification of a silicone substrate, the process comprising the steps of:

a. absorbing ethylene glycol dimethacrylate into silicone for between approximately 0.1 hours to 72 hours at a temperature of between approximately 0°C and 100°C in order to swell the silicone;

b. removing the swollen silicone from the ethylene glycol dimethacryate;

c. transferring the swollen silicone into an aqueous solution containing 2-aminoethyl methacrylate hydrochloride in a concentration of between approximately 0.1% and 50% and 2,2'-azobis(2-methylpropionamidine) dihydrochloride in a concentration of between approximately 0.1% and 10%;

d. contacting the swollen silicone with the 2-aminoethyl methacrylate hydrochloride and the 2,2'-azobis(2-methylpropionamidine) dihydrochloride at a temperature of between approximately 30°C and 80°C for between approximately 0.1 hours and 24 hours; and

e. removing the silicone from the aqueous solution.

48. (ORIGINAL) A process for forming a surface interpenetrating polymer network on a silicone substrate, the process comprising the steps of:

a. absorbing bis(2-methacryloxyethyl) phosphate into silicone for between approximately 0.1 hours and 72 hours at room temperature in order to swell the silicone;

b. removing the swollen silicone from the bis(2-methacryloxyethyl) phosphate;

c. transferring the swollen silicone into an aqueous solution containing 2-aminoethyl methacrylate hydrochloride in a concentration of between approximately 0.1% to 50% and 2-hydroxy-2-methyl-1-phenylpropanone in a concentration of between approximately 0.1% and 10%.

d. contracting the swollen silicone with the 2-aminoethyl methacrylate hydrochloride and the 2-hydroxy-2-methyl-1-phenylpropanone at a temperature of between approximately 30°C and 80°C for between approximately 1 minute to 10 hours with UV radiation; and

e. removing the silicone from the aqueous solution.

79. (NEW) A silicone intraocular lens having the surface modification formed by the process of claim 47.

80. (NEW) A silicone intraocular lens having the surface modification formed by the process of claim 48.

81. (NEW) A silicone contact lens having the surface modification formed by the process of claim 47.

82. (NEW) A silicone contact lens having the surface modification formed by the process of claim 48.